

# ΔΙΑΠΑΝΕΠΙΣΤΗΜΙΑΚΟ ΔΙΚΤΥΟ «ΠΟΛΙΤΙΚΕΣ ΑΝΩΤΑΤΗΣ ΕΚΠΑΙΔΕΥΣΗΣ»

1ο Σεμινάριο ακαδημαϊκού έτους 2012-13

Διεθνείς Ταξινομήσεις (Rankings) και Ελληνικά  
Πανεπιστήμια: Θεωρητικοί Προβληματισμοί και η  
Ελληνική Πραγματικότητα

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# ABOUT RANKINGS

## THE THREE MOST INFLUENTIAL WORLD UNIVERSITY RANKINGS PROVIDING LEAGUE TABLES...

### 1. Academic Ranking of World Universities

By Centre for World-Class Universities & Institute of Higher Education of Shanghai Jiao Tong University, China

<http://www.shanghairanking.com>

### 2. World University Rankings

By Times Higher Education (THE)

(till 2009 in cooperation with Quacquarelli Symonds and since 2010 in cooperation with Thomson Reuters)

<http://www.timeshighereducation.co.uk/world-university-rankings>

### 3. QS World University Rankings

By US News and World Report in cooperation with Quacquarelli Symonds)

<http://www.topuniversities.com/university-rankings/world-university-rankings>

⇒ Plus 2 more

# ABOUT RANKINGS

## ...PLUS TWO MORE

### 4. Webometrics Ranking of World Universities

By Cybermetrics Lab. of Consejo Superior de Investigaciones Cientificas (CSIC), Spain

<http://www.webometrics.info>

### 5. World University Rankings by Reputation

By Times Higher Education (THE)

(in partnership with Thomson Reuters)

<http://www.timeshighereducation.co.uk/world-university-rankings/2011-2012/reputation-rankings.html>

For a general information on university rankings, see:

[http://en.wikipedia.org/wiki/College\\_and\\_university\\_rankings](http://en.wikipedia.org/wiki/College_and_university_rankings)

For the most recent review of university rankings, see:

"Global University Rankings and Their Impact", EUA Publications, Brussels, 2011

[http://eua.be/pubs/Global\\_University\\_Rankings\\_and\\_Their\\_Impact.pdf](http://eua.be/pubs/Global_University_Rankings_and_Their_Impact.pdf)

# RANKINGS AND METHODOLOGIES

- **Indicators Webometrics**

- ✓ 1. size of university web: number of pages recovered from: Google, Yahoo, Live Search and Exalead (10%)
- ✓ 2. visibility: total number of unique external links received (inward links) that have been obtained from Yahoo Search (50%)
- ✓ 3. rich files: number of Adobe Acrobat (.pdf), Adobe PostScript (.ps), Microsoft Word (.doc) and Microsoft PowerPoint (.ppt) (10%)
- ✓ 4. scholar: number of papers and citations extracted from Google Scholar (30%)

- **Indicators Shanghai**

- ✓ 1. alumni winning Nobel Prizes and Fields Medals (10%)
- ✓ 2. staff winning Nobel Prizes and Fields Medals (20%)
- ✓ 3. highly cited researchers (top 200) in 21 broad subject categories (20%)
- ✓ 4. papers published in Nature and Science (20%)\*
- ✓ 5. papers indexed in Science Citation Index-expanded and in Social Science Citation Index (20%)
- ✓ 6. per capita academic performance calculated from indicators 1-5 (10%)

\* For social sciences and humanities the weight of indicator 4 is relocated to other indicators

# RANKINGS AND METHODOLOGIES

- **Indicators THE**

- ✓ 1. research income from industry per faculty (2,5%)
- ✓ 2. international faculty (3%) and international students (2%)
- ✓ 3. teaching - the learning environment (30%), including reputation survey on teaching (15%)
- ✓ 4. research - volume, income, reputation (30%), including reputation survey on research (19,5%)
- ✓ 5. citation - research influence (32,5%)

- **Indicators QS**

- ✓ 1. academic peer review survey (40%)
- ✓ 2. employer review survey (10%)
- ✓ 3. faculty-student ratio (20%)
- ✓ 4. citations per academic staff (20%)
- ✓ 5. international faculty (5%)
- ✓ 6. international students (5%)

# COMPARING RANKINGS (2011)

Universities	1 (ARWU)	2 (THE1)	3 (QS)	4 (WEB)	5 (THE2)
Harvard US	1	2	2	2	1
Stanford US	2	2	11	3	5
MIT US	3	7	3	1	2
Berkeley US	4	10	21	5	4
Cambridge UK	5	6	1	16	3
CALTEC US	6	1	12	13	10
Princeton US	7	5	13	39	7
Columbia US	8	12	10	12	23
Chicago US	9	9	8	29	15
Oxford UK	10	4	5	27	6
Yale US	11	11	4	28	9
UCLA US	12	13	34	14	12
Cornell US	13	20	15	4	16
Pennsylvania US	14	16	9	10	22

# COMPARING RANKINGS (2011)

Universities	2 (THE1)	1 (ARWU)	3 (QS)	4 (WEB)	5 (THE2)
CALTEC US	1	6	12	13	10
Harvard US	2	1	2	2	1
Stanford US	3	2	11	3	5
Oxford UK	4	10	5	27	6
Princeton US	5	7	13	39	7
Cambridge UK	6	5	1	16	3
MIT US	7	3	3	1	2
Imperial College UK	8	24	6	<100	11
Chicago US	9	9	8	29	15
Berkeley US	10	4	21	5	4
Yale US	11	11	4	28	9
Columbia US	12	8	10	12	23
UCLA US	13	12	34	14	12
Johns Hopkins US	14	18	16	15	14

# COMPARING RANKINGS (2011)

Universities	3 (QS)	1 (ARWU)	2 (THE1)	4 (WEB)	5 (THE2)
Cambridge UK	1	5	6	16	3
Harvard US	2	1	2	2	1
MIT US	3	3	7	1	2
Yale US	4	11	11	28	9
Oxford UK	5	10	4	27	6
Imperial College UK	6	24	8	<100	11
University College UK	7	20	17	46	19
Chicago US	8	9	9	29	15
Pennsylvania US	9	14	16	10	22
Columbia US	10	8	12	12	23
Stanford US	11	2	3	3	5
CALTEC US	12	6	1	13	10
Princeton US	13	7	5	39	7
Michigan US	14	22	18	22	13



# COMPARING RANKINGS (2011)

Universities	4 (WEB)	1 (ARWU)	2 (THE1)	3 (QS)	5 (THE2)
MIT US	1	3	7	3	2
Harvard US	2	1	2	2	1
Stanford US	3	2	3	3	5
Cornell US	4	13	20	15	16
Berkeley US	5	4	10	5	4
Michigan US	6	22	18	14	13
Wisconsin Madison US	7	19	27	41	25
Washington US	8	16	25	56	26
Minnesota US	9	28	42	102	43
Pennsylvania US	10	14	16	9	22
Texas Austin US	11	35	29	76	31
Columbia US	12	8	12	10	23
CALTEC US	13	6	1	12	10
UCLA US	14	12	13	34	12

# COMPARING RANKINGS (2011)

Universities	5 (THE2)	1 (ARWU)	2 (THE1)	3 (QS)	4 (WEB)
Harvard US	1	1	2	2	2
MIT US	2	3	7	3	1
Cambridge UK	3	5	6	1	16
Berkeley US	4	4	10	21	5
Stanford US	5	2	3	11	3
Oxford UK	6	10	4	5	27
Princeton US	7	7	5	13	39
Tokyo Japan	8	21	26	25	34
Yale US	9	11	11	4	28
CALTEC US	10	6	1	12	13
Imperial College UK	11	24	8	6	<100
UCLA US	12	12	12	34	14
Michigan US	13	22	15/16	14	6
Johns Hopkins US	14	18	14	16	15

# COMPARING RANKINGS (ARWU)

Universities	2008	2009	2010	2011	2012
Harvard US	1	1	1	1	1
Stanford US	2	2	3	2	2
MIT US	5	5	4	3	3
Berkeley US	3	3	2	4	4
Cambridge UK	4	4	5	5	5
CALTEC US	6	6	6	6	6
Princeton US	8	8	7	7	7
Columbia US	7	7	8	8	8
Chicago US	9	9	9	9	9
Oxford UK	10	10	10	10	10
Yale US	11	11	11	11	11
UCLA US	13	13	13	12	12
Cornell US	12	12	12	13	13
Pennsylvania US	15	15	15	14	14

# COMPARING RANKINGS (THE1)

Universities	2008	2009	2010	2011	2012
CALTEC US			2	1	
Harvard US			1	2	
Stanford US			4	3	
Oxford UK			7	4	
Princeton US			5	5	
Cambridge UK			6	6	
MIT US			3	7	
Imperial College UK			9	8	
Chicago US			12	9	
Berkeley US			8	10	
Yale US			10	11	
Columbia US			18	12	
UCLA US			11	13	
Johns Hopkins US			13	14	

# COMPARING RANKINGS (QS)

Universities	2008	2009	2010	2011	2012
Cambridge UK	3	2	1	1	2
Harvard US	1	1	2	2	3
MIT US	9	9	5	3	1
Yale US	2	3	3	4	7
Oxford UK	4	5/6	6	5	5
Imperial College UK	6	5/6	7	6	6
University College UK	7	4	4	7	4
Chicago US	8	7	8	8	8
Pennsylvania US	11	12	11	9	12
Columbia US	10	11	?	10	11
Stanford US	17	16	?	11	15
CALTEC US	5	10	9	12	10
Princeton US	12	8	10	13	9
Michigan US	18	19	15	14	17

# COMPARING RANKINGS (WEB)

Universities	2008	2009	2010	2011	2012
MIT US				1	2
Harvard US				2	1
Stanford US				3	3
Cornell US				4	5
Berkeley US				5	4
Michigan US				6	10
Wisconsin Madison US				7	8
Washington US				8	23
Minnesota US				9	6
Pennsylvania US				10	7
Texas Austin US				11	14
Columbia US				12	12
CALTEC US				13	24
UCLA US				14	11

## COMPARING RANKINGS (THE2)

Universities	2008	2009	2010	2011	2012
Harvard US				1	1
MIT US				2	2
Cambridge UK				3	3
Berkeley US				4	5
Stanford US				5	4
Oxford UK				6	6
Princeton US				7	7
Tokyo Japan				8	8
Yale US				9	10
CALTEC US				10	11
Imperial College UK				11	13
UCLA US				12	9
Michigan US				13	12
Johns Hopkins US				14	18

# COMPARING RANKINGS (2011)

Universities	1 (ARWU)	2 (THE1)	3 (QS)	4 (WEB)	5 (THE2)
Harvard US	1	2	2	2	1
Oxford UK	10	4	5	27	6
UCL UK	20	17	7	46	19
Northwestern US	30	26	24	77	40
Paris 11 France	40	<200	208	<100	<100
Utrecht Netherlands	48/50	68	80	74	71-80
Melbourne Australia	60	37	31	78	45
National Univ. Australia	70	38	26	71	51-60
Arizona US	80	95/97	163	38	71-80
Basel Switzerland	89/90	95/97	151	<100	<100
Frankfurt Germany	100	<200	182	<100	<100



# COMPARING RANKINGS (2011)

Universities	2 (THE1)	1 (ARWU)	3 (QS)	4 (WEB)	5 (THE2)
CALTEC US	1	6	12	13	10
Berkeley US	10	4	21	5	4
Cornell US	20	13	15	4	16
Tokyo Japan	30	21	25	34	8
National Univ. Singapore	40	102-150	28	85	27
Peking China	49/50	201-300	46	<100	43
Pittsburgh US	59/60	57	116	35	51-60
Vanderbilt US	70	52	131	84	<100
Lund Sweden	80	102-150	86	<100	71-80
Dartmouth US	90	151-200	99	<100	<100
Alberta Canada	100	102-150	100	62	<100

# COMPARING RANKINGS (2011)

Universities	3 (QS)	1 (ARWU)	2 (THE1)	4 (WEB)	5 (THE2)
Cambridge UK	1	5	6	16	3
Columbia US	10	8	12	12	23
Edinburgh UK	20	53	36	64	45
Bristol UK	30	70	66	<100	81-90
HKUST Hong Kong	40	201-300	62	82	91-100
Warwick UK	50	151-200	<200	<100	<100
Monash Australia	60	151-200	178	<100	<100
Tohoku Japan	70	97	132	<100	51-60
Utrecht Netherlands	80	48	68	74	71-80
KAIST Korea	90	201-300	94	<100	91-100
Alberta Canada	100	102-150	100	62	<100

# COMPARING RANKINGS (2011)

Universities	4 (WEB)	1 (ARWU)	2 (THE1)	3 (QS)	5 (THE2)
MIT US	1	3	7	3	2
Pennsylvania US	10	14	16	9	22
Texas A&M US	20	99	164	158	81-90
New York US	30	29	44	44	51-60
Southern California US	40	46	55	<600	71-80
Virginia US	50	102-150	135	126	<100
Oregon US	60	102-150	<400	451-500	<100
Nebraska Lincoln US	70	151-200	<400	401-450	<100
Connecticut US	80	201-300	<400	365	<100
Brigham Young US	90	301-400	<400	<600	<100
Glasgow UK	100	151-200	102	59	<100

# COMPARING RANKINGS (2011)

Universities	5 (THE2)	1 (ARWU)	2 (THE1)	3 (QS)	4 (WEB)
Harvard US	1	1	2	2	2
CALTEC US	10	6	13	12	13
Massachusetts Amherst US	20	102-150	64	255	76
California San Diego US	30	15	33	77	36
Northwestern US	40	30	26	24	77
Osaka Japan	50	82	119	45	<100
Manchester UK	61-70	38	48	29	<100
Lund Sweden	71-80	102-150	80	86	<100
Amsterdam Netherlands	81-90	102-150	92	63	99
HKUST Hong Kong	91-100	201-300	62	40	<100
Vienna Austria	91-100	151-200	139	155	81

# COMPARING RANKINGS (ARWU)

Universities	2008	2009	2010	2011	2012
Harvard US	1	1	1	1	1
Oxford UK	10	10	10	10	10
UCL UK	22	21	21	20	21
Northwestern US	30	30	29	30	30
Paris 11 France	49	43/44	45	40	37
Utrecht Netherlands	47	52	50	50/48	53/55
Melbourne Australia	73/75	75	62	60	57
National Univ. Australia	59	59/60	59/60	70	64
Arizona US	77/78	77/79	78	80	79
Basel Switzerland	87	85	86/87	90/89	85
Frankfurt Germany	101-150	101-150	101-150	100	101-150

# COMPARING RANKINGS (THE1)

Universities	2008	2009	2010	2011	2012
CALTEC US			2	1	
Berkeley US			8	10	
Cornell US			14	20	
Tokyo Japan			26	30	
National Univ. Singapore			34	40	
Peking China			37	49/50	
Pittsburgh US			64	59/60	
Vanderbilt US			51	70	
Lund Sweden			89	80	
Dartmouth US			99	90	
Alberta Canada			127	100	

# COMPARING RANKINGS (QS)

Universities	2008	2009	2010	2011	2012
Cambridge UK	3	2	1	1	2
Columbia US	10	11	?	10	11
Edinburgh UK	23	20	22	20	21
Bristol UK	32	34	27	30	28
HKUST Hong Kong	39	35	40	40	33
Warwick UK	69	58	53	50	58
Monash Australia	47	45	61	60	61
Tohoku Japan	112	97	102	70	75/76
Utrecht Netherlands	67	70/71	?	80	85
KAIST Korea	95	69	?	90	63
Alberta Canada	74	59	78	100	108

# COMPARING RANKINGS (WEB)

Universities	2008	2009	2010	2011	2012
MIT US				1	2
Pennsylvania US				10	7
Texas A&M US				20	38
New York US				30	22
Southern California US				40	27
Virginia US				50	44
Oregon US				60	82
Nebraska Lincoln US				70	150
Connecticut US				80	151
Brigham Young US				90	154
Glasgow UK				100	131



## COMPARING RANKINGS (THE2)

Universities	2008	2009	2010	2011	2012
Harvard US				1	1
CALTEC US				10	11
Massachusetts Amherst US				20	39/40
California San Diego US				30	36
Northwestern US				40	35
Osaka Japan				50	51-60
Manchester UK				61-70	51-60
Lund Sweden				71-80	81-90
Amsterdam Netherlands				81-90	71-80
HKUST Hong Kong				91-100	61-70
Vienna Austria				91-100	<100

# COMPARING RANKINGS (2011)

Against the other four rankings (based on top-14)	1 (ARWU)	2 (THE1)	3 (QS)	4 (WEB)	5 (THE2)
Lower rankings <100	0	1	1	1	1
	0,0%	1,8%	1,8%	1,8%	1,8%
Lower rankings >100	33	27	35	34	35
	58,9%	48,2%	62,5%	60,7%	62,5%
Lower rankings (total)	33	28	36	35	36
	58,9%	50,0%	64,3%	62,5%	64,3%
Higher rankings	15	21	17	15	14
	26,8%	37,5%	30,3%	26,8%	25,0%
Equal rankings	8	7	3	6	6
	14,3%	12,5%	5,4%	10,7%	10,7%
Total rankings	56	56	56	56	56
	100,0%	100,0%	100,0%	100,0%	100,0%

# COMPARING RANKINGS (2011)

Against the other four rankings (based on <b>decades</b> )	1 (ARWU)	2 (THE1)	3 (QS)	4 (WEB)	5 (THE2)
Lower rankings <100	12	13	16	26	13
	27,3%	29,5%	36,4%	59,1%	29,5%
Lower rankings >100	15	10	20	15	17
	34,1%	22,7%	45,5%	34,1%	38,7%
Lower rankings (total)	27	23	36	41	30
	61,4%	52,2%	81,9%	93,2%	68,2%
Higher rankings	16	20	7	3	13
	36,3%	45,5%	15,8%	6,8%	29,5%
Equal rankings	1	1	1	0	1
	2,3%	2,3%	2,3%	0,0%	2,3%
Total rankings	44	44	44	44	44
	100,0%	100,0%	100,0%	100,0%	100,0%

# MULTI-RANKING (OR BY-RANKING) INITIATIVES

## The rationale:

- If we do not like or trust rankings, we need to create some rational alternatives in order to ensure transparency and comparability in a largely diversified higher education landscape throughout the world. Furthermore, these initiatives should have multi-dimensional characteristics, in contrary to the existing systems which are considered mono-dimensional.
- Would they be new, more rational ranking methods? Or, would they be something else, something different? Classification or Mapping (or Typologie in French) = New, more neutral and harmless, names for rankings?
- Multi-rankings are university rankings that use a greater number of indicators and usually they do not produce a league table. Instead, they present results of individual indicators or groups of indicators.

# MULTI-RANKING (OR BY-RANKING) INITIATIVES

## Bologna Process

In the Leuven Communiqué, (April 2009) for the first time an indirect reference to rankings by using the term "transparency tools" which should be based on the principles of quality assurance and which are supposed to be used in order to make the diversity of the European HEIs more transparent and to help them identify and compare their respective strengths.

For the Leuven Communiqué see the official website of the European Higher Education Area:

<http://www.ehea.info>

# MULTI-RANKING (OR BY-RANKING) INITIATIVES

## European Commission

Upon a call of the European Commission, the U-Multirank project has been initiated in June 2009, run by seven European partners. The project aims at the development of ranking systems which will be multi-dimensional and will reflect the diversity of higher education in Europe. In that sense, the U-Multirank project appears to be a by-ranking initiative offering an alternative to the mono-dimensional characteristics of the existing ranking systems.

Details on the U-Multirank project can be found in its website: [www.u-multirank.eu/project](http://www.u-multirank.eu/project)

# MULTI-RANKING (OR BY-RANKING) INITIATIVES

## U-Map Classification of Universities

A European higher education classification tool that reflects the variety of missions and profiles of European higher education institutions.

The U-Map project has been funded by the European Union and is led by the Centre for Higher Education Policy Studies (CHEPS) of the University of Twente, the Netherlands.

The final report of the project was published in January 2010: "U-Map: The European Classification of Higher Education Institutions"

[http://www.u-map.org/U-MAP\\_report.pdf](http://www.u-map.org/U-MAP_report.pdf)

## OECD

A new project: Assessment of Higher Education Learning Outcomes (AHELO)

<http://www.oecd.org/edu/ahelo>

Experience from a similar exercise for basic education (PISA)

# MULTI-RANKING (OR BY-RANKING) INITIATIVES

## EUA (European University Association)

Transparency tools such as rankings or classifications cannot be used as a means of accountability or as a proxy for quality.

They can only - at best - serve as a means of comparing universities and thus indicating their relative position in relation to other universities using certain indicators. Thus, they do not serve the same purpose as internal or external quality assurance which examine processes and outcomes with the aim of producing a judgement reflecting strengths and concerns to be addressed.

(From the policy statement of EUA on quality and quality assurance in the European Higher Education Area, October 2010)

[http://www.eua.be/Libraries/Publications\\_homepage\\_list/EUA-QA-Policy-2010.sflb.ashx](http://www.eua.be/Libraries/Publications_homepage_list/EUA-QA-Policy-2010.sflb.ashx)